

03/13/01

PTO SB/05 (08-00)

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PTO/SB/05 (08-00)

Approved for use through 10/31/2002. OMB 0651-0032

Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**UTILITY  
PATENT APPLICATION  
TRANSMITTAL**

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No.

P1504USA

First Inventor or Application Identifier

Frank et al.

Title

Self-Healing Multi-Level Telecommunications Network

Express Mail Label No.

EL564021568US

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning design patent application contents.

1. ☒ Fee Transmittal Form (e.g., PTO/SB/17)  
(Submit an original and a duplicate for fee processing)
2. ☒ Applicant claims small entity status.  
See 37 CFR 1.27.
3. ☒ Specification [Total Pages 16 ]  
(preferred arrangement set forth below)  
- Descriptive title of the Invention  
- Cross References to Related Applications  
- Statement Regarding Fed sponsored R & D  
- Background of the Invention  
- Brief Summary of the Invention  
- Brief Description of the Drawings (if filed)  
- Detailed Description  
- Claim(s)  
- Abstract of the Disclosure
4. ☒ Drawing(s) (35 U.S.C.113) [Total Sheets 4 ]
5. Oath or Declaration [Total Pages 3 ]  
a. ☒ Newly executed (original or copy)  
b. ☐ Copy from a prior application (37 CFR 1.63 (d))  
(for a continuation/divisional with Box 17 completed)  
i. ☐ **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s)  
named in the prior application, see 37 CFR  
1.63(d)(2) and 1.33(b).
6. ☐ Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO**Assistant Commissioner for Patents  
Box Patent Application  
Washington, DC 20231

7. ☐ CD-ROM or CD-R in duplicate, large table or  
Computer Program (Appendix)
8. Nucleotide and/or Amino Acid Sequence Submission  
(if applicable, all necessary)  
a. ☐ Computer Readable Form (CRF)  
b. Specification Sequence Listing on:  
i. ☐ CD-ROM or CD-R (2 copies); or  
ii. ☐ paper  
c. ☐ Statements verifying identity of above copies

**ACCOMPANYING APPLICATIONS PARTS**

9. ☒ Assignment Papers (cover sheet & document(s))
10. ☐ 37 C.F.R. § 3.73(b) Statement ☒ Power of Attorney  
(when there is an assignee)
11. ☐ English Translation Document (if applicable)
12. ☐ Information Disclosure Statement (IDS)/PTO-1449 ☐ Copies of IDS Citations
13. ☐ Preliminary Amendment
14. ☒ Return Receipt Postcard (MPEP 503)  
(Should be specifically itemized)
15. ☐ Certified Copy of Priority Document(s)  
(if foreign priority is claimed)
16. ☒ Other: Express Mail Certificate

17. If a **CONTINUING APPLICATION**, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

☐ Continuation ☐ Divisional ☐ Continuation-in-part (CIP) of prior application No: \_\_\_\_\_ /  
Prior application information: Examiner \_\_\_\_\_ Group / Art Unit: \_\_\_\_\_

For **CONTINUATION** or **DIVISIONAL APPS** only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

**17. CORRESPONDENCE ADDRESS**☐ Customer Number or Bar Code Label

(Insert Customer No. or Attach bar code label here)

or ☐ Correspondence address below

|         |  |           |              |          |              |
|---------|--|-----------|--------------|----------|--------------|
| Name    | Richard W. Young   |           |              |          |              |
| Address | GARDNER, CARTON & DOUGLAS<br>321 North Clark, Suite 3400 |           |              |          |              |
| City    | Chicago  | State     | IL           | Zip Code | 60610-4795   |
| Country | USA  | Telephone | 312-644-3000 | Fax      | 312-644-3381 |

|                   |                  |                                   |               |
|-------------------|------------------|-----------------------------------|---------------|
| Name (Print/Type) | Richard W. Young | Registration No. (Attorney/Agent) | 30,706        |
| Signature         |                  | Date                              | 13 March 2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, Patent and Trademark Office,

CH02/22115654.1

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**FEE TRANSMITTAL  
for FY 2001**

Patent fees are subject to annual revision.

**Complete if Known****TOTAL AMOUNT OF PAYMENT** (\$) 431

Application Number

Filing Date

13 March 2001

First Named Inventor

Frank et al.

Examiner Name

Group / Art Unit

Attorney Docket No.

P1504USA

**METHOD OF PAYMENT (check one)**1. ☒

The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit  
Account  
Number

07-0181

Deposit  
Account  
Name

Gardner, Carton &amp; Douglas

- ☒ Charge Any Additional Fee Required  
Under 37 CFR 1.16 and 1.17
- ☒ Applicant claims small entity status.  
See 37 CFR 1.27

2. ☒ Payment Enclosed:

- ☒ Check    ☐ Credit card    ☐ Money  
Order    ☐ Other

**FEE CALCULATION****1. BASIC FILING FEE**

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description        | Fee Paid |
|----------------------|-----------------------|----------------------|-----------------------|------------------------|----------|
| 101                  | 710                   | 201                  | 355                   | Utility filing fee     | 355      |
| 106                  | 320                   | 206                  | 160                   | Design filing fee      |          |
| 107                  | 490                   | 207                  | 245                   | Plant filing fee       |          |
| 108                  | 710                   | 208                  | 355                   | Reissue filing fee     |          |
| 114                  | 150                   | 214                  | 75                    | Provisional filing fee |          |

**SUBTOTAL (1)**

(\$ 355)

**2. EXTRA CLAIM FEES**

| Total Claims          | Extra<br>Claims | Fee from<br>below | Fee<br>Paid |
|-----------------------|-----------------|-------------------|-------------|
| 24                    | -20** = 4       | 9                 | 36          |
| Independent<br>Claims | 4               | -3** = 1          | 40          |
| Multiple<br>Dependent |                 |                   | 0           |

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  |
|----------------------|-----------------------|----------------------|-----------------------|--|
| 103                  | 18                    | 203                  | 9                     | Claims in excess of 20                                     |
| 102                  | 80                    | 202                  | 40                    | Independent claims in excess of 3                          |
| 104                  | 270                   | 204                  | 135                   | Multiple dependent claim, if not paid                      |
| 109                  | 80                    | 209                  | 40                    | ** Reissue independent claims over original patent         |
| 110                  | 18                    | 210                  | 9                     | ** Reissue claims in excess of 20 and over original patent |

**SUBTOTAL (2)**

(\$ 76)

\*\*or number previously paid, if greater; For Reissues, see above

**FEE CALCULATION (continued)****3. ADDITIONAL FEES**

| Large<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Small<br>Fee<br>Code | Entity<br>Fee<br>(\$) | Fee Description  | Fee<br>Paid |
|----------------------|-----------------------|----------------------|-----------------------|--|-------------|
| 105                  | 130                   | 205                  | 65                    | Surcharge - late filing fee or oath  |             |
| 127                  | 50                    | 227                  | 25                    | Surcharge - late provisional filing fee or cover sheet.                    |             |
| 139                  | 130                   | 139                  | 130                   | Non-English specification  |             |
| 147                  | 2,520                 | 147                  | 2,520                 | For filing a request for reexamination                                     |             |
| 112                  | 920*                  | 112                  | 920*                  | Requesting publication of SIR prior to Examiner action                     |             |
| 113                  | 1,840*                | 113                  | 1,840*                | Requesting publication of SIR after Examiner action                        |             |
| 115                  | 110                   | 215                  | 55                    | Extension for reply within first month                                     |             |
| 116                  | 390                   | 216                  | 195                   | Extension for reply within second month                                    |             |
| 117                  | 890                   | 217                  | 445                   | Extension for reply within third month                                     |             |
| 118                  | 1,390                 | 218                  | 695                   | Extension for reply within fourth month                                    |             |
| 128                  | 1,890                 | 228                  | 945                   | Extension for reply within fifth month                                     |             |
| 119                  | 310                   | 219                  | 155                   | Notice of Appeal   |             |
| 120                  | 310                   | 220                  | 155                   | Filing a brief in support of an appeal                                     |             |
| 121                  | 270                   | 221                  | 135                   | Request for oral hearing   |             |
| 138                  | 1,510                 | 138                  | 1,510                 | Petition to institute a public use proceeding                              |             |
| 140                  | 110                   | 240                  | 55                    | Petition to revive - unavoidable   |             |
| 141                  | 1,240                 | 241                  | 620                   | Petition to revive - unintentional   |             |
| 142                  | 1,240                 | 242                  | 620                   | Utility issue fee (or reissue)   |             |
| 143                  | 440                   | 243                  | 220                   | Design issue fee   |             |
| 144                  | 600                   | 244                  | 300                   | Plant issue fee  |             |
| 122                  | 130                   | 122                  | 130                   | Petitions to the Commissioner  |             |
| 123                  | 50                    | 123                  | 50                    | Petitions related to provisional applications                              |             |
| 126                  | 240                   | 126                  | 240                   | Submission of Information Disclosure Stmt                                  |             |
| 581                  | 40                    | 581                  | 40                    | Recording each patent assignment per property (times number of properties) |             |
| 146                  | 710                   | 246                  | 355                   | Filing a submission after final rejection (37 CFR § 1.129(a))              |             |
| 149                  | 710                   | 249                  | 355                   | For each additional invention to be examined (37 CFR § 1.129(b))           |             |
| 179                  | 710                   | 279                  | 355                   | Request for Continued Examination (RCE)                                    |             |
| 169                  | 900                   | 169                  | 900                   | Request for expedited examination of a design application                  |             |

Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3)**

(\$ 0)

**SUBMITTED BY****Complete (if applicable)**

Name (Print/Type)

Richard W. Young

Registration No. Attorney/Agent)

30,706

Telephone

312-644-3000

Signature

Date

13 March 2001

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

**EXPRESS MAILING CERTIFICATE  
UNDER 37 C.F.R. § 1.10**

EL564021568US

"Express Mail" Mailing Number

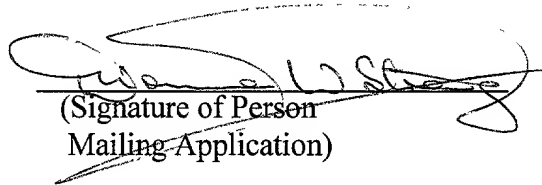
March 13, 20019

Date of Deposit

I hereby certify that a utility Patent Application Transmittal; a Fee Transmittal form; a Check for \$431.00; a Declaration for Utility Patent Application (3 pages); a Specification (16 pages); Drawings (4 sheets); a Recordation Form Cover sheet; an Assignment (2 pages); a Check for \$40.00; and a return post card are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 C.F.R. § 1.10 on the date indicated above, addressed to the Assistant Commissioner for Patents, Box: Patent Application, Washington, D.C. 20231.

Diana W. Strong

(Typed or Printed Name of  
Person Mailing Application)



(Signature of Person  
Mailing Application)

(P1504USA)

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